

DECLARATION and POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PROCESS FOR THE PREPARATION OF 1,1,1,2,2-PENTAFLUOROETHANE

the specification of which is attached hereto unless the following box is checked:

■ was filed on August 21, 2003 as U.S. Application No. _____ or PCT International Application No.PCT/US03/26324 and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known to me to be material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

| Application No. | Country | Filing Date | Priority Claimed (Yes/No) |
|-----------------|---------|-------------|---------------------------|
|-----------------|---------|-------------|---------------------------|

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States Provisional Application(s) listed below.

| U.S. Provisional Application No. | U.S. Filing Date |
|----------------------------------|------------------|
| 60/405,223 | 08/22/02 |

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International Application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT International Application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is known to me to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

| Application No. | Filing Date | Status (patented, pending or abandoned) |
|-----------------|-------------|---|
|-----------------|-------------|---|

POWER OF ATTORNEY: I hereby appoint the following attorney(s) and/or agent(s) the power to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:Name: DAVID E. HEISERRegistration No.: 31,366

Send correspondence and direct telephone calls to:

DAVID E. HEISERE. I. du Pont de Nemours and Company
Legal - Patents
Wilmington, DE 19898, U.S.A.

| | |
|----------|----------------|
| Tel. No. | (302) 892-1926 |
| Fax No. | (302) 992-4773 |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

INVENTOR(S)

| | | | |
|-----------------------------------|---|---|--|
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■ Additional Inventors are being named on separately numbered sheets attached hereto.

DECLARATION AND POWER OF ATTORNEY - Page 2

Docket No.: CL2100⁹PCT

| | | | |
|-------------------------|---|--|--|
| Full Name of Inventor | 4-00 Last Name SUBBRAMONEY | First Name SHEKHAR | Middle Name |
| | Signature (please sign full name): <i>Shekhar Subbramoney</i> | | Date: 10/31/03 |
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GENERAL POWER OF ATTORNEY
(Concerning Several International Patent Applications)

The undersigned, P. Michael Walker, Associate General Counsel and Chief Intellectual Property Counsel, and Vice Chairman of the Patent Board of E. I. DU PONT DE NEMOURS AND COMPANY, 1007 Market Street, Wilmington, Delaware 19898 USA ("DuPont"), hereby confirms that the power to sign for DuPont has been granted to various individuals (as set forth in the attached excerpt from DuPont's Patent Board Rules of Procedure (January 1988), Appendix Section III.A.4), including the Chairman, Vice-Chairman, and those individuals who are Assistant Secretaries of the Patent Board. Currently these Assistant Secretaries are:

Roger A. Bowman
Linda J. Davis

John E. Griffiths
Barbara J. Massie

Miriam D. Meconnahey
Deborah A. Meginniss

In addition, the authority to act on behalf of DuPont before the competent International Authorities in connection with any and all international patent applications filed by it with the United States as Receiving Office and to make or receive payments on its behalf is hereby granted to:

| | |
|------------------------|--------|
| Beardell, Lori Y. | 34,293 |
| Benjamin, Steven C. | 36,087 |
| Birch, Linda D. | 38,719 |
| Bowen, Jr., Alanson G. | 24,027 |
| Capria, Mary Ann | 32,659 |
| Christenbury, Lynne M. | 30,971 |
| Clark, Dawn S. | 42,420 |
| Cotreau, William J. | 36,490 |
| Deitch, Gerald E. | 30,457 |
| Deshmukh, Sudhir | 33,677 |
| Dobson, Kevin S. | 40,296 |
| Duffy, Roseanne R. | 33,869 |
| Edwards, Mark A. | 39,542 |
| Estrin, Barry | 26,452 |
| Evans, Craig H. | 31,825 |
| Fair, Tamera L. | 35,867 |
| Feltham, S. Neil | 36,506 |
| Fickes, Daphne P. | 36,509 |
| Floyd, Linda Axamethy | 33,692 |
| Fricke, Hilmar L. | 22,384 |
| Furr, Jr., Robert B. | 32,985 |
| Golian, Andrew G. | 25,293 |
| Gorman, Thomas W. | 31,959 |
| Gould, David J. | 25,338 |
| Griffiths, John E. | 32,647 |
| Hamby, Jane O. | 32,872 |
| Hamby, William H. | 31,521 |
| Heiser, David E. | 31,366 |
| Hendrickson, John S. | 30,847 |
| Jarnholm, Arne R. | 30,396 |
| Joung, J. Kenneth | 41,881 |
| Kaeding, Konrad S. | 32,035 |
| Karel, Karin J. | 33,918 |

| | |
|--------------------------|--------|
| Katz, Elliott A. | 26,396 |
| Kelly, Patricia L. | 39,247 |
| King, Karen K. | 34,850 |
| Krukiel, Charles E. | 27,344 |
| Kuller, Mark D. | 31,925 |
| Langworthy, John A. | 32,255 |
| Lerman, Bart E. | 31,897 |
| Levitt, Cary A. | 31,848 |
| Lucas, Steven W. | 35,258 |
| Magee, Thomas H. | 27,355 |
| Mayer, Nancy S. | 29,190 |
| Medwick, George M. | 27,456 |
| Morrissey, Bruce W. | 30,663 |
| Moss, Arthur Z. | 41,206 |
| Narita, Jonathon O. | 53,369 |
| Orozco, Jr., Emil M. | 50,823 |
| Perrotto, Carol R. | 41,247 |
| Restrepo-Hartwig, Maria | 52,163 |
| Santopietro, Lois A. | 36,264 |
| Sauerbrunn, Linda K. H. | 41,291 |
| Schaeffer, Andrew L. | 33,605 |
| Sebree, Chyrra J. | 45,348 |
| Shay, Lucas K. | 34,724 |
| Shipley, James E. | 32,003 |
| Siegell, Barbara C. | 30,684 |
| Sinnott, Jessica M. | 34,015 |
| Steinberg, Thomas W. | 37,013 |
| Stevenson, Robert B. | 26,039 |
| Strickland, Frederick D. | 39,041 |
| Tocker, Edwin | 20,341 |
| Tulloch, Rebecca W. | 36,297 |
| Walker, P. Michael | 32,602 |
| Wang, Chen | 38,650 |

The undersigned ratifies fully all actions already taken by the above-named individuals in accordance with the authority granted hereby.

E. I. DU PONT DE NEMOURS AND COMPANY

By: _____


P. Michael Walker

Associate General Counsel and Chief Intellectual Property Counsel
Vice-Chairman of the Patent Board

Date: _____

March 31, 2004